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A2
a discharge tip in fluid communication with a forward end of said cylindrical
barrel.

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4. (Amended) The syringe of claim 1 further comprising syringe mating sections
positioned in a plane perpendicular to the longitudinal axis of the cylindrical barrel,
wherein said syringe mating sections facilitate mounting of said syringe to an injector.

8. (Amended) An injector for injecting fluids from a syringe into an animal
subject, comprising;

a housing;

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a plunger drive ram bidirectionally movable along an axis and mounted within
said housing;

a motor drivingly coupled to said drive ram to selectively advance and retract
said drive ram along said axis into and out of said housing;

a syringe for mounting to said injector comprising a cylindrical barrel, a plunger
snugly slidable in said cylindrical barrel, said plunger having a rearwardly facing drive
ram engaging coupling element thereon in the shape of a rearwardly facing extension
exhibiting no discontinuity of its transverse cross-sections along a portion of said
extension adapted to be gripped by a coupling mechanism, and a discharge tip in fluid
communication with said cylindrical barrel; and

a movable face plate used to position a syringe relative to said injector housing
to permit said drive ram to engage and move said plunger within said syringe.

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9. (Amended) The injector of claim 8 further comprising injector mating sections, said syringe further comprising syringe mating sections positioned in a plane perpendicular to the axis of the body of the syringe and arranged so as to align with the injector mating sections.
